

WHAT IS CLAIMED IS:

1. A sidewall assembly for a transporting vehicle comprising
at least one outer flat side sheet having an inner wall extending along a longitudinal axis,
a plurality of vertical side posts being affixed to said at least one outer side sheet in
spaced relationship along said inner wall,
said side posts having a flat inner wall lying in spaced relationship to said inner wall of said
at least one side sheet,
said side posts further having a pair of bent edge segments lying on opposite vertical sides
of said flat inner wall, said bent edge segments projecting from said flat inner wall toward said at
least one side sheet,
a plurality of liners respectively extending between adjacent side posts, said liners having a
flat central portion forming a generally flat interior face, and
said liners having vertical side portions extending on opposite vertical sides of said central
portion respectively for interconnecting with said bent edge portions of said side posts.
2. The sidewall assembly according to Claim 1 wherein a surface of said flat central portion
of said liners confronts said inner wall of said at least one side sheet and lies in spaced relationship
to said at least one side sheet.
3. The sidewall assembly according to Claim 1 wherein said inner wall of said side posts is
formed by an intermediate generally hat-shaped section of said side posts.

4. The sidewall assembly according to Claim 3 wherein said hat-shaped section includes a pair of lateral segments integrally joined in perpendicular relationship on opposite vertical sides of said inner wall of said at least one side sheet.
5. The sidewall assembly according to Claim 4 wherein said bent edge segments of said posts are respectively formed by generally edge hat-shaped sections partially including said bent edge segments.
6. The sidewall assembly according to Claim 5 wherein said edge hat-shaped sections include a base wall lying in generally flush relationship with said inner wall of said at least one side sheet.
7. The sidewall assembly according to Claim 6 further comprising a plurality of mechanical fasteners extending through said base wall and said at least one side sheet of each of said side posts.
8. The sidewall assembly according to Claim 6 wherein each of said side posts includes an edge portion extending outwardly from each said edge hat-section to engage said a respective vertical side portion of said liners.
9. The sidewall assembly according to Claim 8 wherein vertical side portion of said liner lies in spaced relationship to said inner wall of said at least one side sheet.
10. The sidewall assembly according to Claim 9 wherein said vertical side portion of said liner

includes a side post engaging section extending adjacent said edge portion of said side post and said inner wall of said at least one side sheet.

11. The sidewall assembly according to Claim 10 wherein said edge portion of said side post includes an edge section extending toward said at least one side sheet and forming a free edge in spaced relation thereto.

12. The sidewall assembly according to Claim 10 wherein said vertical side portion of said liner is offset from said central portion and extends between said edge segment of said side post and said inner wall of said at least one side sheet.

13. The sidewall assembly according to Claim 12 wherein said vertical side portion of said liner includes a surface in contact with said inner wall of said at least one side sheet.

14. The sidewall assembly according to Claim 11 wherein the free edge of said edge portion of said side posts contacts said vertical side portion of said liner.

15. The sidewall assembly according to Claim 10 wherein said vertical side portion of said liner includes opposite edge sections extending at least partially above said base wall of said edge hat-shaped sections.

16. The sidewall assembly according to Claim 15 wherein said opposite edge sections of said

liner lie in spaced relationship respectively to said base wall of said edge hat-shaped sections of said side posts, said opposite edge sections of said liners respectively having at least one protuberance having an end extending in contact with said base surface.

17. The sidewall assembly according to Claim 16 wherein said end of said protuberance has a rounded configuration.

18. The sidewall assembly according to Claim 10 wherein said side post engaging section of said liner includes an angular projection having an enlarged end forming a groove for receiving said edge portion of said side post.

19. The sidewall assembly according to Claim 18 wherein said side post engaging section includes a portion extending at least partially over said edge hat-shaped section.

20. The sidewall assembly according to Claim 19 wherein said portion includes a protuberance for contacting said base wall of said edge hat-section.

21. The sidewall assembly according to Claim 18 further including at least one protuberance extending between said central portion of said liner and said inner wall of said at least one side sheet.

22. The sidewall assembly according to Claim 18 further including foam means being

positioned between said central portion of said liner and said inner wall of at least one side sheet.

23. The sidewall assembly according to Claim 6 wherein said vertical side portion of said liner extends over said edge hat-shaped section, mechanical fasteners extending through said vertical side portion, said base wall, and said at least one side sheet.

24. The sidewall assembly according to Claim 1 wherein said flat inner wall of said side post form an inner face lying in the same vertical plane as said flat interior face of said liner.

25. A sidewall assembly for a vehicle having an outer side wall comprising
side post means extending vertically along the side sheet in connected relationship,
said side post means includes opposite edge sections extending in spaced relation to said inner surface,
a plurality of liners having a central wall forming an interior face and having side portions engaging said side post means for securement, and
a part of said side portions being offset from said central wall.

26. The side wall assembly according to Claim 25 wherein said plurality of liners are formed from a lightweight plastic material.

27. The side wall assembly according to Claim 25 wherein said opposite edge sections of said side post means includes a intermediate portion disposed generally in spaced parallel relationship

to said inner surface.

28. The side wall assembly according to Claim 27 wherein said opposite edge sections include a free end portion extending from said intermediate portion toward the side sheet and having a free end in spaced relation to said inner surface.

29. The side wall assembly according to Claim 28 wherein the end of said free end portion is bent inwardly.

30. The side wall assembly according to Claim 28 wherein each of said side portions of said plurality of liners extend between said free end and said inner surface in contacting relationship.

31. The side wall assembly according to Claim 25 wherein said central wall is disposed in spaced relationship to said inner surface.

32. The side wall assembly according to Claim 31 further including on protuberance arranged to extend from said central wall in contact with the side sheet.

33. The side wall assembly according to Claim 31 wherein a foam material is positioned between said central wall and said inner surface.

34. The side wall assembly according to Claim 25 wherein said edge portions of said liners have opposed grooves for engaging respective edge sections of said side post means.

35. The side wall assembly according to Claim 25 wherein said side posts are arranged to be affixed by mechanical fasteners to the side sheet.
36. The side wall assembly according to Claim 25 wherein said liners are affixed by mechanical fasteners to said side post means and the side sheet.
37. The side wall assembly according to Claim 25 further comprising a scuff strip extending along the bottom of said side post means and said plurality of liners for protection.
38. The side wall assembly according to Claim 25 wherein said inner surface of said side post means includes a plurality of slots aligned in vertical rows for securement of lading.